# Xinhua Dai

List of Publications by Year
in descending order



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|---|---|---|---|
| 16 papers | 1,374 citations | 623734 14 h-index | 839539 18 g-index |
| 18 all docs | 18 docs citations | 18 times ranked | 1970 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Local conjugation of auxin by the GH3 amido synthetases is required for normal development of roots and flowers in Arabidopsis. Biochemical and Biophysical Research Communications, 2022, 589, 16-22. | 2.1 | 13 |
| 2 | Two homologous INDOLE-3-ACETAMIDE (IAM) HYDROLASE genes are required for the auxin effects of IAM in Arabidopsis. Journal of Genetics and Genomics, 2020, 47, 157-165. | 3.9 | 22 |
| 3 | Role of ArabidopsisÂINDOLE-3-ACETIC ACID CARBOXYL METHYLTRANSFERASE 1Âin auxin metabolism. Biochemical and Biophysical Research Communications, 2020, 527, 1033-1038. | 2.1 | 12 |
| 4 | UDP-glucosyltransferase UGT84B1 regulates the levels of indole-3-acetic acid and phenylacetic acid in Arabidopsis. Biochemical and Biophysical Research Communications, 2020, 532, 244-250. | 2.1 | 21 |
| 5 | An Essential Role for miRNA167 in Maternal Control of Embryonic and Seed Development. Plant Physiology, 2019, 180, 453-464. | 4.8 | 61 |
| 6 | Modulation of Auxin Signaling and Development by Polyadenylation Machinery. Plant Physiology, 2019, 179, 686-699. | 4.8 | 15 |
| 7 | Auxin production in diploid microsporocytes is necessary and sufficient for early stages of pollen development. PLoS Genetics, 2018, 14, e1007397. | 3.5 | 63 |
| 8 | On Improving CRISPR for Editing Plant Genes: Ribozyme-Mediated Guide RNA Production and Fluorescence-Based Technology for Isolating Transgene-Free Mutants Generated by CRISPR. Progress in Molecular Biology and Translational Science, 2017, 149, 151-166. | 1.7 | 25 |
| 9 | An Effective Strategy for Reliably Isolating Heritable and Cas9-Free Arabidopsis Mutants Generated by CRISPR/Cas9-Mediated Genome Editing. Plant Physiology, 2016, 171, 1794-1800. | 4.8 | 225 |
| 10 | Embryonic lethality of Arabidopsis abp1-1 is caused by deletion of the adjacent BSM gene. Nature Plants, 2015, 1, . | 9.3 | 33 |
| 11 | Distinct Characteristics of Indole-3-Acetic Acid and Phenylacetic Acid, Two Common Auxins in Plants. Plant and Cell Physiology, 2015, 56, 1641-1654. | 3.1 | 142 |
| 12 | Auxin Overproduction in Shoots Cannot Rescue Auxin Deficiencies in Arabidopsis Roots. Plant and Cell Physiology, 2014, 55, 1072-1079. | 3.1 | 202 |
| 13 | The Biochemical Mechanism of Auxin Biosynthesis by an Arabidopsis YUCCA Flavin-containing Monooxygenase. Journal of Biological Chemistry, 2013, 288, 1448-1457. | 3.4 | 175 |
| 14 | NPY genes and AGC kinases define two key steps in auxin-mediated organogenesis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 21017-21022. | 7.1 | 139 |
| 15 | NPY1, a BTB-NPH3-like protein, plays a critical role in auxin-regulated organogenesis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18825-18829. | 7.1 | 125 |
| 16 | Genetic and chemical analyses of the action mechanisms of sirtinol in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3129-3134. | 7.1 | 81 |